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xpath and streaming data and finite automata

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F Peng, SS Chawathe - ... ACM SIGMOD international conference on Management of data, 2003 - portal.acm.org

... of buffer management (flagging buffered data based on ... as we shall explain shortly, general XPath queries cannot be evaluated in a streaming system that ...

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Stream processing of XPath queries with predicates - ► [washington.edu](#) [PDF]

AK Gupta, D Suciu - ... ACM SIGMOD international conference on Management of data, 2003 - portal.acm.org ... representation of the entire XML tree, we process the stream of SAX ... definition of the pushdown automaton to adapt it to XPath queries and XML data and call ...

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YFilter: efficient and scalable filtering of XML documents - ► [berkeley.edu](#) [PDF]

Y Diao, P Fischer, MJ Franklin, R To - Data Engineering, 2002. Proceedings. 18th International ..., 2002 - ieeexplore.ieee.org

... streaming XML documents according to XQuery or XPath queries that ... on the efficient evaluation of path expressions over streaming XML data, using indexed ...

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TJ Green, G Miklau, M Onizuka, D Suciu - LECTURE NOTES IN COMPUTER SCIENCE, 2003 - Springer ... by evaluating a large number of XPath filters, corresponding ... clients' subscription queries, on the stream of XML ... Data processing is minimal: there is no need ...

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Light-weight xPath processing of XML stream with deterministic automata

M Onizuka - Proceedings of the twelfth international conference on ..., 2003 - portal.acm.org

... Clients (data consumer) connect to the routers and provide an ... describes the portions of the XML stream that they ... XML pack- ets against those XPath queries, and ...

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TJ Green, A Gupta, G Miklau, M Onizuka, D Suciu - ACM Transactions on Database Systems (TODS), 2004 - portal.acm.org

... results are of general interest in XPath processing, beyond ... The second technique is the Streaming IndeX (SIX ... tools providing highly scalable XML data processing ...

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CC Barton, PDGMR Fontoura, M Josifovski, VIBMTJW ... - Data Engineering, 2003. Proceedings. 19th International ..., 2003 - ieeexplore.ieee.org

... of XPath/XQuery-based queries on streaming XML documents. ... in a relational database and data streamed from ... The XFilter system handles simple XPath location path ...

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Querying XML streams - ► [toronto.edu](#) [PDF]

V Josifovski, M Fontoura, A Barta - ... VLDB Journal The International Journal on Very Large Data ..., 2005 - Springer

... the context node for the predicate on the order date. ... operators as defined in the XQuery/XPath standard specifications ... uses the PT to process the stream of SAX ...

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An evaluation of regular path expressions with qualifiers against XML streams - ► [imu.de](#) [PDF]

D Oiteanu, T Kiesling, F Bry - ... 19th International Conference on Data Engineering (ICDE'03) ... - doi.ieeecomputersociety.org

... of the tree conveyed in the stream is bounded ... is the only current approach that accommodates XPath qualifiers, closure ... X-Scan from the Tukwila data integration ...

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An Efficient XPath Query Processor for XML Streams - ► [asu.edu](#) [PDF]

Y Chen, SB Davidson, Y Zheng - ... 22nd International Conference on Data Engineering (ICDE'06), 2006 - doi.ieeecomputersociety.org

... over XML data is called a streaming XPath evaluation algorithm. Several streaming XPath evaluation algorithms based on finite state automata (FSA) have been ...

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